

Guidance Document – Missouri

Landuse: Cropland

Problems . . .	Resource Setting . . .
✓ Soil loss of 12 tons per acre per year	✓ Central Missouri – MLRA 113
✓ Over application of farm chemicals	✓ Deep, somewhat poorly drained soils formed in loess and till on sloping uplands
✓ Small gullies	✓ Corn-soybean rotation
✓ Lack of cover for wildlife	✓ Conventional tillage
✓ nitrates in ground water	✓ Straight rows

Concerns:

*Sheet and Rill
Erosion*

*Ephemeral
Gullies*

*Nitrates in
Ground Water*

*Pesticide rates not
Correlated to Soil/Pests*

*Inadequate
Wildlife Cover*

Alternative #1-RMS: *This alternative will increase wildlife cover, improve water quality problems, decrease soil erosion rates, and diversify farming operations.*

328 - Conservation Crop Rotation	+	0	0	0	+
329 – Residue Management – No Till	++	+	+	0	0
330 – Contour Farming	+	+	–	0	0
412 – Grass Waterway	0	++	0	0	+
595 – Pest Management	0	0	0	++	–
590 – Nutrient Management	0	0	++	0	0
386 – Field Border	0	+	+	0	++

Symbol Effect:: - Detrimental; 0 Negligible/Slight; + Beneficial; ++ Significant effect; F Facilitating